USB-Live2

Quick Installation Guide for Windows 7, Vista and Windows XP (all versions)

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1. Contents of the USB-Live2 package

- **USB-Live2 video capture device**
- **WinTV v7 Installation** CD-ROM
- **ULead DVD MovieFactory** for making CD's and DVD's from your video recordings

2. How the USB-Live2 works

USB-Live2 is a Windows video capture device. It can be used for digitizing and compressing video from video cameras, video tape recorders and other devices which create analog video signals.

Included with USB-Live2 are two applications:

WinTV v7, which is used for displaying live video on your PC screen and to create video recordings,

DVD MovieFactory, which can be used to burn your USB-Live2 recordings to DVD or CD.

When recording live video with the WinTV v7 application, USB-Live2 creates a .TS (transport stream) file. Using options in the WinTV v7 application, you can also create .MPEG files.

DVD MovieFactory can burn .TS files to DVD or CD. Therefore, you can use WinTV v7 to record videos, and then immediately use DVD MovieFactory to burn those recordings to DVD or CD disk.

USB-Live2 is based on a Windows WDM capture driver, which will be compatible with most video applications which use WDM capture devices.

3. Installing the USB-Live2 device

Locate a free USB 2.0 port (normally located at the side or back on the laptop or desktop). Plug USB-Live2 into the USB 2.0 port.

Note: we do not recommend connecting via a USB Hub.

Indicator LEDs

The **blue LED** will be lit when USB-Live2 has been activated by Windows (device driver is loaded). The **green LED** will be lit when USB-Live2 is digitizing video.

Connecting an A/V source

Plug the **A/V input cable** into the connector on the side of the USB-Live2 (see picture below). Connect your A/V source using either the **Composite** or **S-Video** and the **audio jacks**.

The A/V connector can be removed from USB-Live2 by clicking the '**Push**' button on the end of the A/V connector.

4. Installing the USB-Live2 software

For Windows XP installations:

After you install your WinTV device and boot Windows, a '**Found New Hardware**' wizard will appear.

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next >
Cancel

Please cancel it and allow windows to load fully before proceeding. You might see this message two or three times. Please click 'Cancel' each time you see the New Hardware Wizard.

For Windows 7:

Insert the WinTV Installation CD-ROM in your PC's CD-ROM drive. You will see an AutoPlay message.

Click ***Run Setup.exe***

AutoPlay
DVD Drive (D:) WINTV7_x
Always do this for software and games:
Run Setup.exe
Published by Hauppauge Computer Works
General options
Open folder to view files using Windows Explorer
View more AutoPlay options in Control Panel

For all versions of Windows:

Insert the WinTV Installation CD-ROM in your PC's CD-ROM drive.

The "**Hauppauge WinTV Installation CD-ROM**" window will

appear on the screen.

Install the WinTV driver

Click the button labeled ***Step 1: Install drivers***.

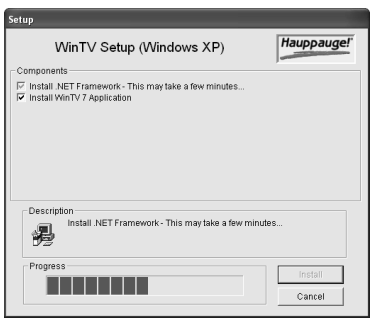
A blue screen will open and begin installing the drivers for your WinTV.

Once the drivers have installed, click on the Finish bar to exit.

Install the WinTV applications

Click the button labeled ***Step 2: Install WinTV***

The setup application will then open and begin automattically installing the WinTV application components.



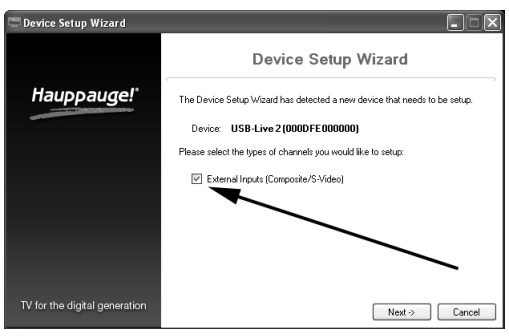
Once complete, click ***OK*** then ***Exit***.

Note: the latest driver updates are available at: www.hauppauge.com

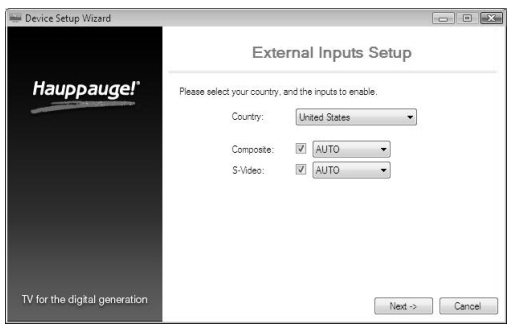
5. Running WinTV v7 for the first time

To run the WinTV v7 application for displaying live video, recording videos and playing them back on your PC, double click on the WinTV icon on your Windows desk top.

When you run WinTV for the first time, the WinTV **Device Setup Wizard** appears. Select ***External Inputs*** and click ***Next***.


Device Setup Wizard
Device Setup Wizard
Hauppauge!
The Device Setup Wizard has detected a new device that needs to be setup.
Device: USB-Live 2 (000DFE000000)
Please select the types of channels you would like to setup:
External Inputs (Composite/S-Video)
TV for the digital generation
Next ->
Cancel

You will be presented with the option to add a **Composite** and an **S-Video Input**. Either leave the selection as '**Auto**' or select the video source and click ***Next***.



If you wish to connect a source not normally designed for operation in your country, you can configure the Video Format manually from the drop down list. Change the value from "AUTO".

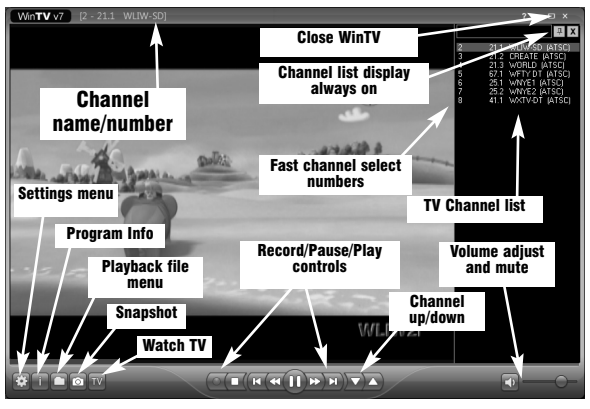
Note: Pal is the commonly used format in Europe. NTSC is the broadcast format used in North America.

Using the WinTV v7 application

To video, click the ***Watch TV button***.

Options menu

The Options menu is the main menu where you can select channels, turn on close captions, open the TV Scheduler, show

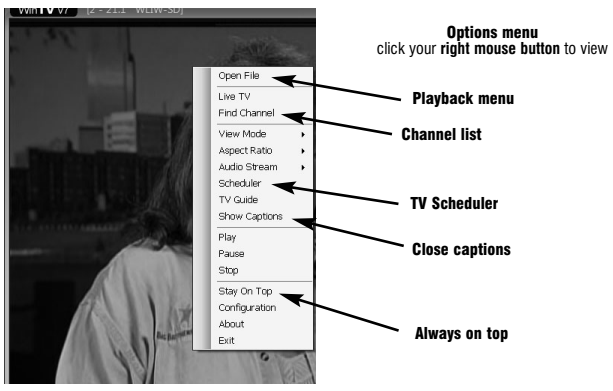


the TV Guide and many other of the most important TV control functions.

To bring up the Options Menu, **click your right mouse button once in the TV window**.

To manually schedule a video recording, or to see which programs have been scheduled, click on ***Scheduler***.

To turn on the Always on Top mode, click on ***Stay on Top***.



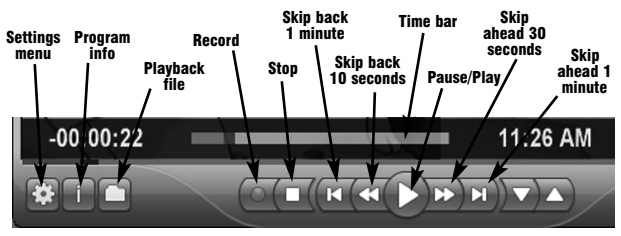
Watch, Pause and Record Video

WinTV v7 is always recording video to your PC's hard drive while TV is being displayed. In this way, you can immediately skip back and replay the video you are watching.

Clicking on the ***Pause button*** will cause the video to pause, while clicking the ***Record button*** will cause the current video to be recorded to hard disk.

Recorded video formats: .TS or .MPEG

The default recording format is .TS (transport stream). These are MPEG-2 files but with a .TS file extension. If you have a video editing program which requires files of the type MPEG, click on the **Settings menu**, click the **Advanced Options** tab and set **Auto convert to MPG**. Your recordings will now be made in an MPEG-2 format with the file extension .MPG



Recording videos

If you want to record a video:

- **Click the *Record button***. The recorded file name will popup on the video for a few seconds as the recording starts.
- When you are finished recording, click the ***Stop button***.
- Click the ***Playback file button*** and select the last file recorded to play the video you just recorded
- To play a video you recorded earlier, click the ***Playback File button*** and then move your mouse and click once on the video you want to play. Click ***Open*** and the file will start playing.

The recorded video file is saved in the directory set in **Recordings directory**. The default directory is **MyVideos**. To change this directory, click the ***Settings menu*** and then the ***Folders tab***. Every time you record a file, a new file is automatically created. The file will be formatted as: (ChannelNumber)_(ChannelName)YearMonthDay_TIme.

For analog video using the SoftPVR encoder, the quality of the video recording is set to 6Mbits/sec. This will be a configurable setting in a future version of WinTV v7.

If you want to pause a video you are watching:

- Click the ***Pause*** button. Your TV video will stop and the Time counter will start counting.
- To start the video from where you paused, click the ***Play button***
- To rewind the video to the beginning, click the ***Skip to the beginning button***. If your video was paused, click the ***Play*** button.
- To rewind the video 1 minute, click the ***Skip back 1 minute*** button. If your video was paused, click the ***Play*** button.

The Delay counter displays how much time you are behind the live video. For example, if the delay counter says 00:01:23, then the video window is showing video 1 minute and 23 seconds behind live video.

Image capture

To capture still images from video, click the '***Snapshot***' button.

The configuration of the formats for still image capture is in the Capture settings. To configure, click the ***Settings menu***

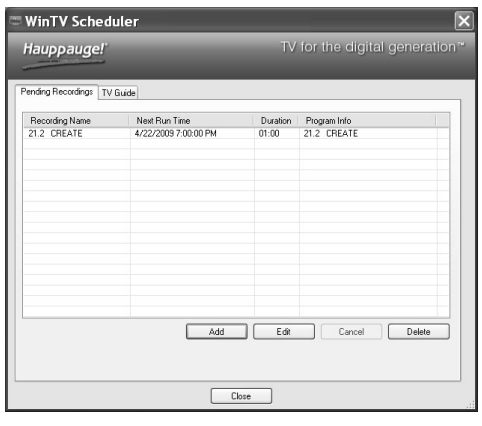
button, then click on the ***Capture folder***. You will see the settings for image capture under **Snapshots**. You can chose between BMP and JPEG formats.

TV Scheduler

WinTV v7's built-in TV Scheduler allows you to schedule video recordings. Once a record event is set, WinTV v7 can be closed and will "wake up" at the desired time and tuned to the desired channel.

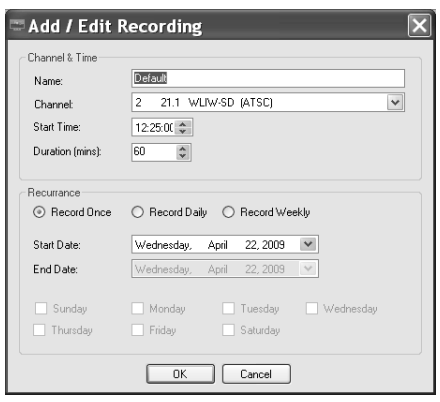
When a scheduled record event takes place, the WinTV v7 application records "in background".

The TV Scheduler can be found in the **WinTV v7 Options menu**. **Right click** your mouse button in the TV window to see the **Options menu**. Click ***Scheduler***. To set up an event for timed watching or recording, click the ***Add button***.



The items that need to be set for each event are:

- **Name:** you can add a name to the recording. If you do not enter a name, the name will be in the channel/date format.
- **Channel:** chose one of your scanned channels.
- **Start time:** set to the desired start time. Click on the hour to set the hour, the minute to set the minute. Note: It takes about 15 seconds to launch the WinTV and start recording.
- **Duration:** number of minutes in the recorded program.
- **Recurrance:** one time, daily, weekly. Note: If you set for Record Weekly, you must also specify the Day of the Week for the recording.



- **Date to Begin Program:** today's date is the default. Change this if you want to schedule on another date.
- Source selection: leave set at WinTV to bring up the WinTV at the requested time and on the requested channel.

Once these are set, click ***OK***. You can add more recordings, clicking OK after each event is set.

When you are finished click ***Close***. The WinTV program does not have to be running for the Schedular to work. If WinTV is not running, it takes about 15 seconds to start WinTV and to start the recording of TV.

Making DVD movies with DVD MovieFactory

The USB-Live2 package includes a DVD disk burning package called 'DVD MovieFactory'. This program is found on the 'ULead DVD MovieFactory' CD.

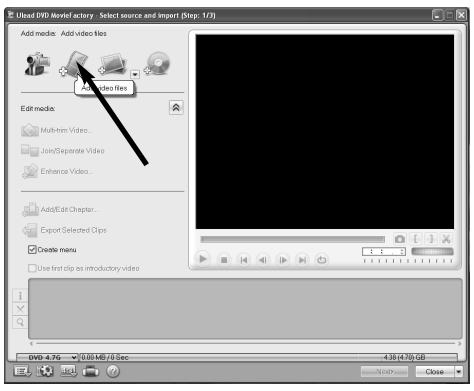
To install DVD MovieFactory on your PC, insert the CD. The installer should start automatically. Click 'Next' to continue through the installation.

When you have finished the installation, you will see the DVD MovieFactory icon on your Windows desktop. Double click on it to start the DVD MovieFactory 'launcher'.

To create a DVD or CD movie disk, click **Video disk** / **New project**. Chose the type of disk you want to create (the most common disk is **Create a Video Disk** and click ***OK***.

To create a DVD movie, you must record your videos using WinTV v7, and then import them into DVD MovieFactory. You can record either .TS files (the default recorded file format) or .MPEG files since both formats are recognized by DVD MovieFactory.

To bring your video recordings into DVD MovieFactory, click the ***Add video files*** button.



In DVD MovieFactory, you can trim your videos by double clicking them while in the timeline bar. When you are finished adding videos, click ***Next*** and proceed to creating a DVD menu and then onto DVD burning.

Recording videos with WinTV v7 for use in DVD MovieFactory

Recordings made with the USB-Live2 in the WinTV v7 application are normally saved in the **MyVideos** directory, To change this directory, click the ***Settings menu*** and then the ***Folders tab***. You can set the directory in **Recorded videos**.

With the WinTV v7 application, every time you create a recording a new file is automatically created. The file will be formatted as:
(ChannelNumber)_(ChannelName)YearMonthDay_TIme.

Troubleshooting

Note: the latest USB-Live2 software can be found at http://www.hauppauge.com/site/support/support_hvr950Q.html

Jerky video with live video

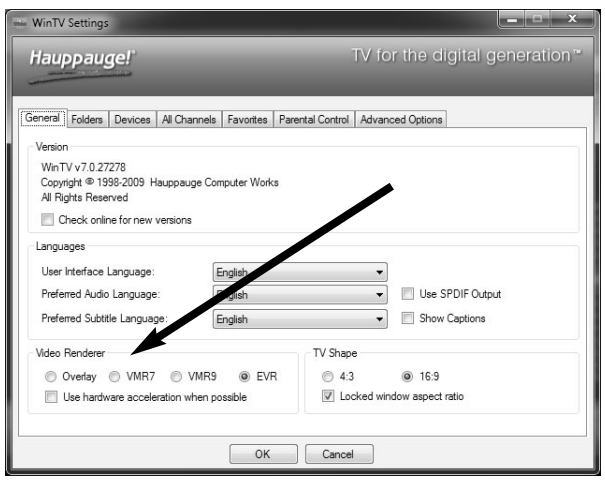
Jerky or distorted video can be caused by two things in your PC or laptop: a slow CPU which cannot decode the video signal fast enough, and a graphics system which cannot keep up with the video decode.

Many times, improving the performance of the graphics display will fix the jerky video display. Here are some tips on improving graphics performance:

- Use the latest graphics driver: graphics drivers are often 'tweaked' to improve performance, especially the built-in graphics on laptops. Check the Microsoft Windows update site to download the latest graphics driver for your computer. For Dell computers, check the Dell website for the latest graphics driver.

- Use WinTV v7 Video Renderer settings to optimize graphics performance: The Video Renderer is found in the General tab of WinTV v7, and is used to change the display mode of a graphics card for TV watching. This setting does not affect any other Windows program.

The default mode is **EVR**. The other modes are **VMR9**, **VMR7**



and **Overlay.** Each mode uses a different process to render video. Try each mode and use the one which gives you the best results.

To use hardware graphics acceleration, put a check in the tick box Use hardware acceleration when possible. This will allow your graphics system to use hardware acceleration for video decode. Note: graphics hardware acceleration does not work on all systems.

If this setting does not help, or if you experience WinTV not responding after a channel change, then your graphics system cannot use hardware graphics acceleration. In this case go back to settings and uncheck "use hardware acceleration" and rerun WinTV.

Uninstalling the WinTV driver and applications

Run the **hcwclear.exe** from the installation CD. Select OK A black screen will briefly appear and once it has disappeared the software will be removed. If you now re-start the computer you will be at Step 4 of the installation.

Keyboard shortcuts

Ctrl A	Aspect ratio	**Alt P**	Previous video source
Ctrl D	Display the video and audio format of the TV program	**Ctrl Q**	Pause
		Ctrl P	Play
Ctrl F	Freeze the video	**Alt R**	Record
Ctrl Z	Open TV Scheduler	**Alt S**	Stop
Ctrl W	Full screen toggle	**Alt T**	Start video
Alt F	Open File menu for playback	**Ctrl C**	Catch up
		Ctrl >	Skip ahead
Alt M	Open the Task Menu	**Ctrl <**	Skip back

FCC Statement

Radio Interference Statement:

The WinTV products have been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: reorient or relocate the receiving antenna,increase the separation between the equipment and receiver, connect the equipment into an outlet on a circuit different from that to which the receiver is connected, consult the dealer or an experienced radio/TV technician for help.

FCC ID: H90WINTV

CE Statement: This equipment has been tested and complies with EN